Parate.

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## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-287-1 Relating to Certification of New Motor Vehicles

## RED SHIFT LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Red Shift Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)		
JA22.0V5FRS3	2.0	(122)	Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst (Electronic Fuel Injection) (Turbocharger) (On-Board Diagnostics)		

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
Grams per Mile	Grams per Mile	<u>Grams per Mile</u>	
0.41	7.0	0.7	

The following are the certification emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	
<u>Grams per Mile</u>	Grams per Mile	<u>Grams per Mile</u>	
0.34	2.6	0.4	

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Adminsitrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 16 day of February, 1988.

K. D. Drachand, Chief Mobile Source Division

## 1988\_ AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer RED SHIFT LTD.	Engine Family JA22.(	OV5FRS 3	
Evaporative Family 7A0-1C	Engine Type $\underline{ ext{L}}$		
	Liters (CID)2.0 (^	122)	
ABBREVIATIONS			
Ignition System	Exhaust Emissions Control System	Special Features	
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard  CFI, EPFI, MPFI, SFI, DID, DIP, HOS, OS nV-nVenturi Carburetor VV-Variable Venturi Carburetor	AIP-Air Injection - Pump AIV-Air Injection - Valve EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control	CFI-Central Fuel Injection or Throttle Body Injection EPFI-Electronic Port Fuel Injection MPFI-Mechanical Port Fuel Injection SFI-Sequential Fuel Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber TC-Turbocharger SC-Supercharger IC-Intercooler or Aftercooler CCV-Combustion Chamber Valve OBD-On-Board Diagnostics	
VEHICLE MODELS:  DELTA 204T  (GM FIE	RO)		
Engine: Front MidX  Drive: FWD RWD	Rear Rear 4WD F	Part Time	

	Cars <u>X</u> Light rer <u>RED SHIFT L</u>						esel
	D) 2.0 (122	1				<u> </u>	
	Control Sys. (Spe			R, TWC, OS,			
Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System	EGR Valve	Catalys
	(Dyno Hp)		,	Part No.	Part No.	Part No.	Part No.
87	DELTA 204T (6.3)	<b>M-</b> 5	3000	16056432	10042029	17087206	25101356
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